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SOURCE Newspapers as indicated.

PRODUCE NEW TEXTILE MACHINERY;
IMPROVE MANUFACTURING METHODS

[Numbers in parentheses refer to list of appended sources.]

As noted in certain Soviet newspapers, a number of achievements have been realized in the development of new machines and the improvement of manufacturing methods.

The Machine-Building Plant imeni Frunze has begun production of a new automatic loom, the "ATT-160," for the manufacture of industrial fabrics, and another automatic machine which allows the weaver to handle twice as many looms as before. It has also developed a machine which regulates the speed of fabric moving between automatic rollers and carefully checks the finished product for flaws; the first samples of this machine will be sent to the Yaroslavl', Omsk, and Kirovograd factories by the end of the year. (1)

The Machinery Plant of the Glavmashtetal' (Main Administration of Machinery Plants) has mechanized the shop producing shuttles, adapting it to the conveyor method; as a result, production has increased 30 percent. It has now applied this method also to the production of complex soldered combs. The plant supplies its products to the Moscow, Leningrad, Barnaul, Tashkent, and Fergana enterprises. (2)

The Yerevan "Armtexstil'detal'" Plant has been set up for the production of warping machines. The first of these was recently completed and sent to a weaving mill in the Rayon imeni Beriya. A press for sewn materials is also to go into production, with the first model to be released by the end of the year. The plant has pledged to achieve, at the same time, an above-plan output of 350,000 rubles and to fulfill by 20 December with respect to production volume. In this connection, it is significant that its foundry shop completed the October plan in 20 days. (3)

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A spinning machine in the Leningrad "Oktyabr'akaya" Factory is equipped with 800 gears of wood-pulp plastic, where metal ones were formerly used. Their cost of production, under mass methods, is 50-60 percent that of cast-iron gears. (4)

The "Tashtekstil'mash" Plant has exceeded the 1949 third-quarter plan, putting out twice the number of knitting machines and 30 percent more flyers than during the same period last year. A 40-percent increase in the October production quota for knitting machines has been pledged; this would be enough to outfit a large textile factory. (5)

Shop No 4 of the Gomsel'mash Plant is preparing to produce flax-beating and hemp-scutching machines. The first samples have already been assembled. (6)

The "Tashkentsil'mash" Plant employs automatic electric welding, but the "Chirchiksel'mash" Plant (director, Filonenko) has relinquished this method in favor of hand methods although the all-welded machines produced at the latter plant lend themselves readily to automatic electric methods. As a result, production at Chirchiksel'mash has been lowered and the welds are of poor quality. (7)

High-duty machines designed and built at the "Vulkan" Plant are tested in its own textile laboratory, which also supervises laboratory work on machinery carried on by other combines in Leningrad.

The laboratory leads all others in the study of the clearing of carding machine parts which come into contact with cotton fibers. It works on the improvement of paint formulas for the machines and on methods of drying paint by infrared rays. It also carries on metallographic analysis, including spectral analysis.

Together with the tool division of the plant, the laboratory works on high-speed cutting of threads for mass-produced parts, and with the machine-assembly shop on methods of increasing the durability of cutters by simple chemical treatment.

The laboratory still needs qualified personnel. Moreover, it ought to be equipped with a breaking machine, a universal microscope, and, especially with finished-surface measuring standards. It also needs machines which would aid in determining wear and resistance to corrosion in carding machines. (8)

SOURCES

1. Pravda Vostoka, No 210, 23 Oct 49
2. Vechernyaya Moskva, No 216, 10 Sep 49
3. Kommunist, No 250, 22 Oct 49
4. Sovetskaya Estoniya, No 224, 22 Sep 49
5. Pravda Vostoka, No 210, 23 Oct 49
6. Sovetskaya Belorussia, No 206, 19 Oct 49
7. Pravda Vostoka, No 210, 23 Oct 49
8. Leningradskaya Pravda, No 238, 8 Oct 49

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